

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/910,354C
Source: 1Fw16
Date Processed by STIC: 6/19/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/09/910,354C

TIME: 13:57:13

Input Set : A:\Mod-0032.ST25.txt

Output Set: N:\CRF4\06192006\I910354C.raw

3 <110> APPLICANT: Jarrell, et al., Kevin
 5 <120> TITLE OF INVENTION: Modular Vector Systems
 7 <130> FILE REFERENCE: 2003320-0032
 9 <140> CURRENT APPLICATION NUMBER: 09/910,354C
 10 <141> CURRENT FILING DATE: 2001-07-20
 12 <160> NUMBER OF SEQ ID NOS: 24
 14 <170> SOFTWARE: PatentIn version 3.2
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 23
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Artificial
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: PCR primer EU-1 for amplification of a vector fragment
 containing
 23 bacterial origin of replication, Lac I gene, and pT7 promoter.
 25 <400> SEQUENCE: 1
 26 cauggtatat ctccttctta aag 23
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 22
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Artificial
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: PCR primer Eu-2 for amplification of a vector fragment
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 36 bacterial origin of replication, Lac I gene, and pT7 promoter.
 38 <400> SEQUENCE: 2
 39 cucatgacca aaatccctta ac 22
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 22
 44 <212> TYPE: DNA
 45 <213> ORGANISM: Artificial
 47 <220> FEATURE:
 48 <223> OTHER INFORMATION: PCR primer EU-3 for amplification of a vector fragment
 containing
 49 Amp gene.
 51 <400> SEQUENCE: 3
 52 gagattatca aaaaggatct tc 22
 55 <210> SEQ ID NO: 4
 56 <211> LENGTH: 20
 57 <212> TYPE: DNA
 58 <213> ORGANISM: Artificial
 60 <220> FEATURE:
 61 <223> OTHER INFORMATION: PCR primer EU-4 for amplification of a vector fragment
 containing

62 Amp gene.

64 <400> SEQUENCE: 4

65 uaactagcat aacccttgg

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68 <210> SEQ ID NO: 5
69 <211> LENGTH: 21
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial
73 <220> FEATURE:
74 <223> OTHER INFORMATION: PCR primer 5' Lac Z for amplification of an insert fragment
75     containing Lac Z gene.
77 <400> SEQUENCE: 5
78 augaccatga ttacgccaac g                                21
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 22
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial
86 <220> FEATURE:
87 <223> OTHER INFORMATION: PCR primer 3' Lac Z for amplification of an insert fragment
88     containing Lac Z gene.
90 <400> SEQUENCE: 6
91 uuacaatttc cattcgccat tc                                22
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 37
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial
99 <220> FEATURE:
100 <223> OTHER INFORMATION: PCR primer 5' OST for amplifying an Ori fragment from pET 19
b.
102 <400> SEQUENCE: 7
103 ctgctaagtg agcucgacag atcgctgaga taggtgc                                37
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 36
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial
111 <220> FEATURE:
112 <223> OTHER INFORMATION: PCR primer 1N 3' Ori(s) for amplifying an Ori fragment from
pET
113     19b.
115 <400> SEQUENCE: 8
116 aagcttgcta agtagggcgt ttttccatag gctccg                                36
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 36
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial
124 <220> FEATURE:
125 <223> OTHER INFORMATION: PCR primer 1NT5'KAN for amplifying a fragment containing the
126     kanamycin resistance gene from pCR2.1 topo.
128 <400> SEQUENCE: 9
129 ctacctagca agctuctatc tggacaaggg aaaacg                                36
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 41
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial
137 <220> FEATURE:

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138 <223> OTHER INFORMATION: PCR primer T73' KAN for amplifying a fragment containing the
139 kanamycin resistance gene from pCR2.1 topo.
141 <400> SEQUENCE: 10
142 ccctatagtg agtcgtatta aggcgaaaac tctcaaggat c 41
145 <210> SEQ ID NO: 11
146 <211> LENGTH: 42
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial
150 <220> FEATURE:
151 <223> OTHER INFORMATION: PCR primer tcs1 for amplifying a fragment containing the
152 luciferase gene from pG1 II basic.
154 <400> SEQUENCE: 11
155 ttaatacgac tcaactatagg gatggaagac gccaaaaaca ta 42
158 <210> SEQ ID NO: 12
159 <211> LENGTH: 36
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial
163 <220> FEATURE:
164 <223> OTHER INFORMATION: PCR primer tc58 for amplifying a fragment containing the
165 luciferase gene from pG1 II basic.
167 <400> SEQUENCE: 12
168 gagctcactt agcagttaca atttggactt tccgcc 36
171 <210> SEQ ID NO: 13
172 <211> LENGTH: 36
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial
176 <220> FEATURE:
177 <223> OTHER INFORMATION: PCR primer 1NT 5'KAN for amplifying a fragment containing
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178 kanamycin resistance gene from pCR 2.1 topo.
180 <400> SEQUENCE: 13
181 ctacctagca agctuctatc tggacaaggg aaaacg 36
184 <210> SEQ ID NO: 14
185 <211> LENGTH: 33
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: PCR primer 1NT 3'KAN for amplifying a fragment containing
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191 kanamycin resistance gene from pCR 2.1 topo.
193 <400> SEQUENCE: 14
194 gagctcactt agcaaggcga aaactctcaa gga 33
197 <210> SEQ ID NO: 15
198 <211> LENGTH: 37
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial
202 <220> FEATURE:
203 <223> OTHER INFORMATION: PCR primer 1NT5' Ori for amplifying a fragment containing
the Ori
204 from pET 19b.
206 <400> SEQUENCE: 15
207 ttgctaagtg agcucgacag atcgctgaga taggtgc 37

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210 <210> SEQ ID NO: 16
 211 <211> LENGTH: 36
 212 <212> TYPE: DNA
 213 <213> ORGANISM: Artificial
 215 <220> FEATURE:
 216 <223> OTHER INFORMATION: PCR primer 1N3' Ori(s) for amplifying a fragment containing
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 217 Ori from pET 19b
 219 <400> SEQUENCE: 16
 220 aagcttgcta agtagggcgt tttccatag gctccg 36
 223 <210> SEQ ID NO: 17
 224 <211> LENGTH: 37
 225 <212> TYPE: DNA
 226 <213> ORGANISM: Artificial
 228 <220> FEATURE:
 229 <223> OTHER INFORMATION: PCR primer 3nt 5'OST for amplifying an Ori fragment.
 231 <400> SEQUENCE: 17
 232 ctgctaagtg agcucgacag atcgctgaga taggtgc 37
 235 <210> SEQ ID NO: 18
 236 <211> LENGTH: 36
 237 <212> TYPE: DNA
 238 <213> ORGANISM: Artificial
 240 <220> FEATURE:
 241 <223> OTHER INFORMATION: PCR primer 3nt 5'OST for amplifying an Ori fragment.
 243 <400> SEQUENCE: 18
 244 aagcttgcta gguaggctac gtcttgctgg cgttcg 36
 247 <210> SEQ ID NO: 19
 248 <211> LENGTH: 36
 249 <212> TYPE: DNA
 250 <213> ORGANISM: Artificial
 252 <220> FEATURE:
 253 <223> OTHER INFORMATION: PCR primer 3nt 5'KHT for amplifying a KAN fragment.
 255 <400> SEQUENCE: 19
 256 ctacctagca agcuuctatc tggacaaggg aaaacg 36
 259 <210> SEQ ID NO: 20
 260 <211> LENGTH: 35
 261 <212> TYPE: DNA
 262 <213> ORGANISM: Artificial
 264 <220> FEATURE:
 265 <223> OTHER INFORMATION: PCR primer 3nt 3'KST for amplifying an Ori(s) fragment.
 267 <400> SEQUENCE: 20
 268 gagctcactt agcagggcga aaactctcaa ggatc 35
 271 <210> SEQ ID NO: 21
 272 <211> LENGTH: 37
 273 <212> TYPE: DNA
 274 <213> ORGANISM: Artificial
 276 <220> FEATURE:
 277 <223> OTHER INFORMATION: PCR primer 1NT 5'ORI for amplifying an Ori(s) fragment.
 279 <400> SEQUENCE: 21
 280 ttgctaagtg agctcgacag atcgctgaga taggtgc 37

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Input Set : A:\Mod-0032.ST25.txt

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283 <210> SEQ ID NO: 22
284 <211> LENGTH: 36
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial
288 <220> FEATURE:
289 <223> OTHER INFORMATION: PCR primer 1NT3' Ori(s) for amplifying an Ori(s) fragment.
291 <400> SEQUENCE: 22
292 aagcttgcta ggtagggcgt tttccatag gctccg 36
295 <210> SEQ ID NO: 23
296 <211> LENGTH: 36
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial
300 <220> FEATURE:
301 <223> OTHER INFORMATION: PCR primer 1NT 5'KAN for amplifying an KAN fragment.
303 <400> SEQUENCE: 23
304 ctacctagca agtuctatc tggacaaggg aaaacg 36
307 <210> SEQ ID NO: 24
308 <211> LENGTH: 33
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial
312 <220> FEATURE:
313 <223> OTHER INFORMATION: PCR primer 1NT3'KAN for amplifying an Ori(s).
315 <400> SEQUENCE: 24
316 gagctcactt agccaggcga aaactctcaa gga 33

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/19/2006
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24

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